

Supporting Information for

Cd doped FeSe Nanoparticles Embedded in N-doped Carbon: A Potential Anode Material for Lithium Storage

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Supplementary Figures

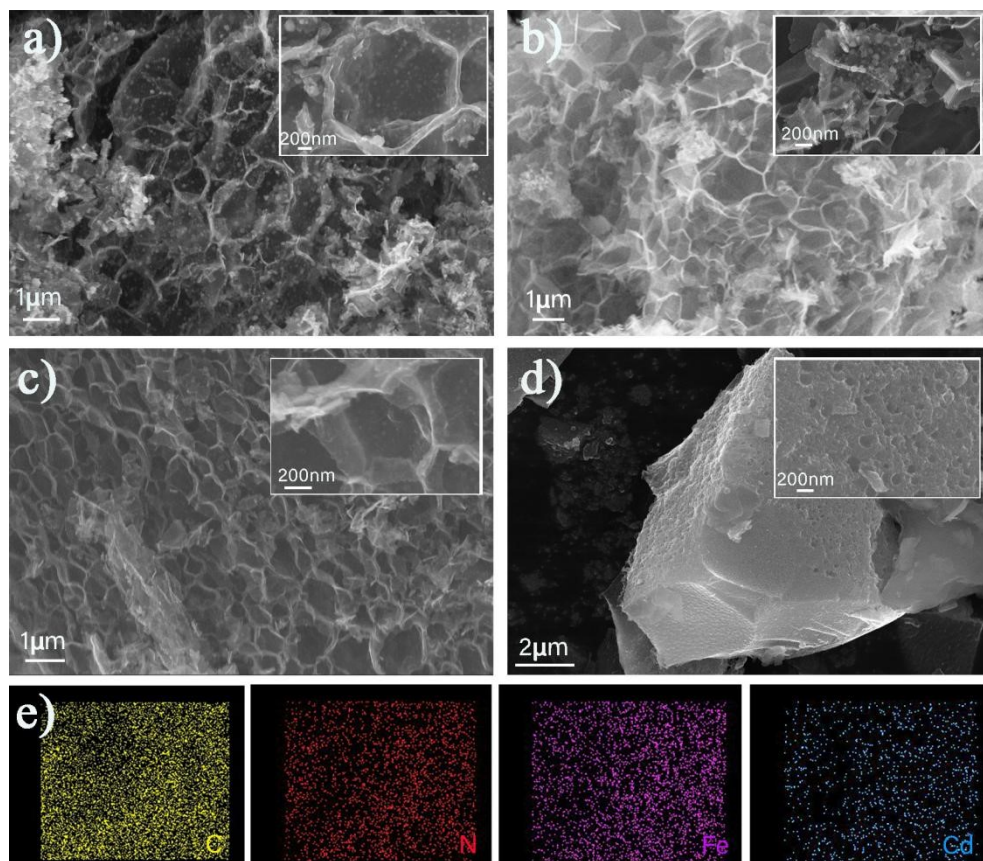


Fig. S1 SEM images of a) Fe₃C/C-N; b) Fe₃C-Cd_{0.2}/C-N; c) Fe₃C-Cd_{0.4}/C-N; d) Fe₃C-Cd_{0.6}/C-N; e) Element mapping of Fe₃C-Cd_{0.4}/C-N composite sample under scanning

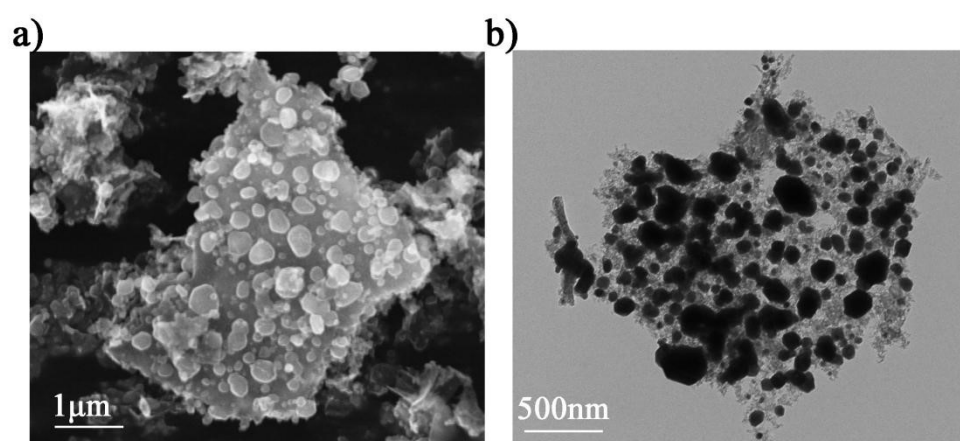


Fig. S2 (a) SEM image and (b) TEM image of non-Cd doped FeSe/ C-N

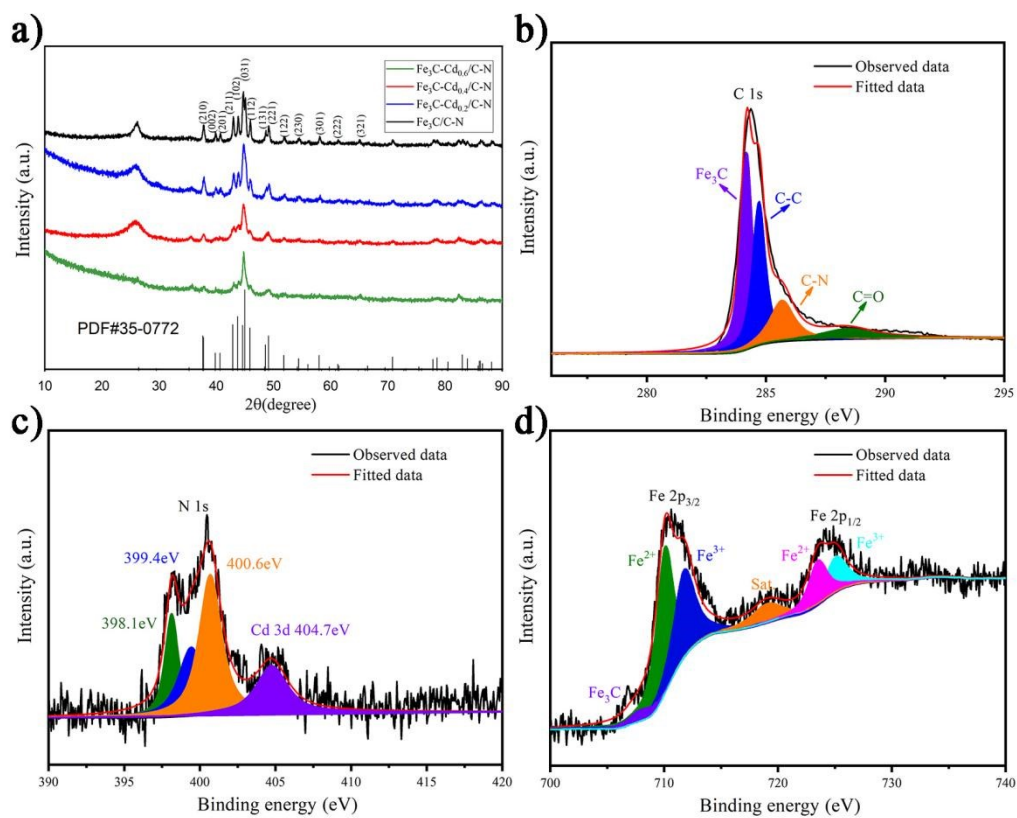


Fig. S3 a) XRD patterns of Fe₃C/C-N, Fe₃C-Cd_{0.2}/C-N, Fe₃C-Cd_{0.4}/C-N and Fe₃C-Cd_{0.6}/C-N samples; b) C 1s spectrum; c) N 1s and Cd 3d spectrum; d) Fe 2p spectrum of Fe₃C-Cd_{0.4}/C-N.

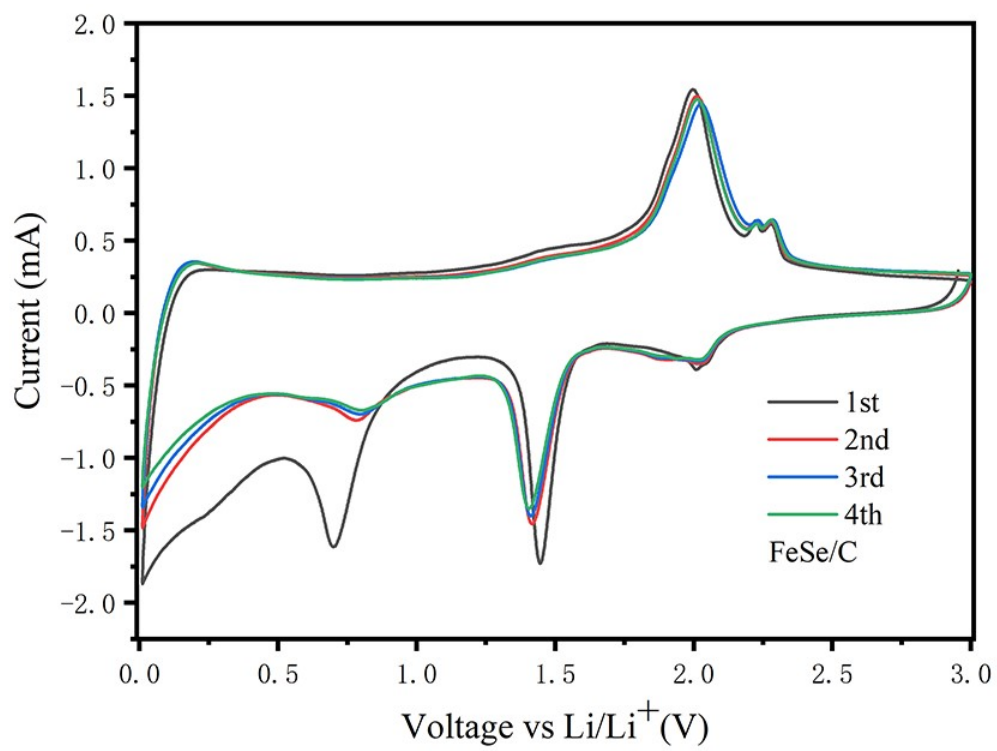


Fig. S4 CV curves of non-Cd doped FeSe/C-N.

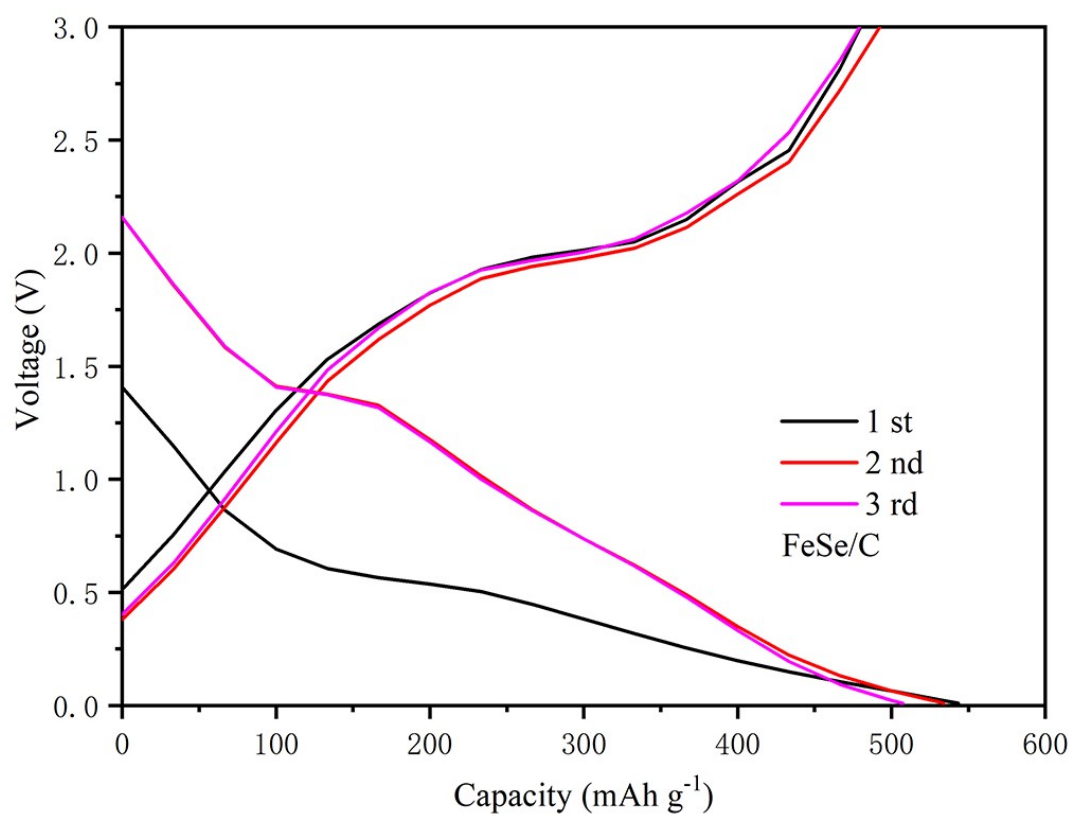


Fig. S5 Charge-discharge curves of non-Cd doped FeSe /C-N.

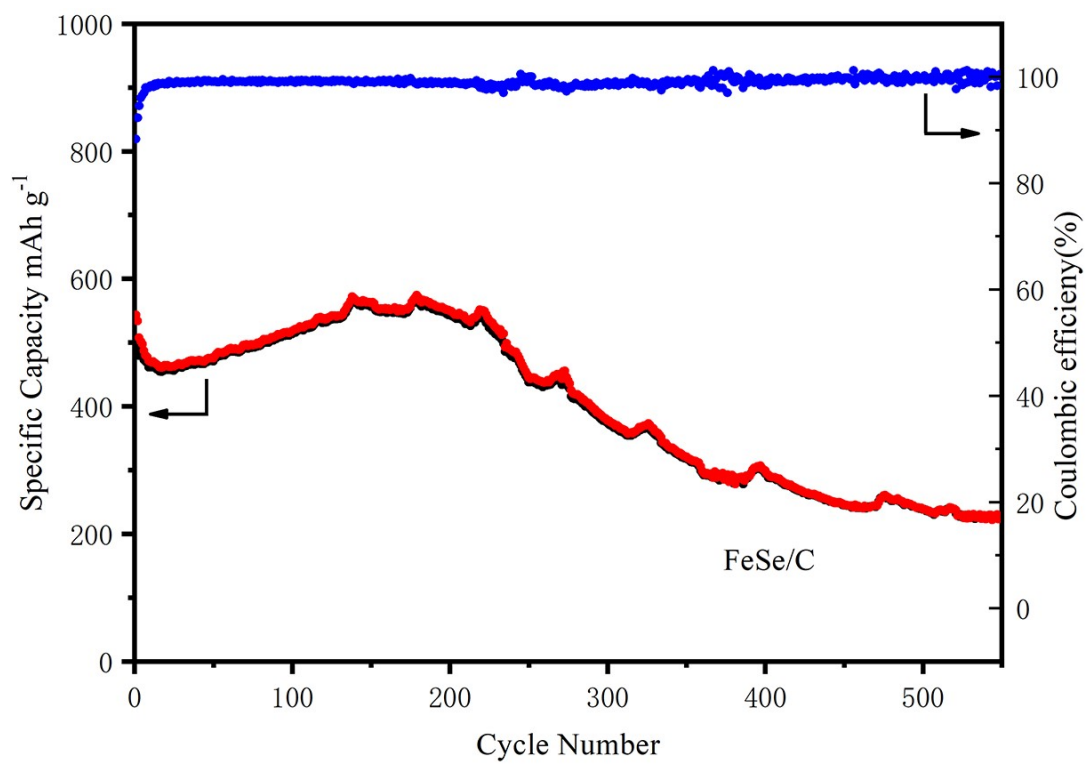


Fig. S6 Cycling performance of non-Cd doped FeSe/C-N